

**LISTING OF CLAIMS**

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1. (currently amended): A computer-readable medium having computer-executable instructions, comprising:  
  
receiving a first transaction request in association with a first certificate issued by a certificate authority, the first certificate having a representation of an issuer name and a subject name;  
  
communicating with a status authority to query for current status information on the first certificate; and  
  
receiving a second certificate from the status authority indicating the current status of the first certificate, the second certificate having a representation of the issuer name and the subject name.
  2. (original): The computer-readable medium of claim 1, wherein the certificate authority comprises the status authority.
  3. (original): The computer-readable medium of claim 1, wherein the status authority comprises an agent authorized to act on behalf of the certificate authority.
  4. (original): The computer-readable medium of claim 1, wherein the transaction request is received from an end entity, and having further computer

executable instructions comprising, transmitting information including the second certificate to the end entity.

5. (original): The computer-readable medium of claim 4, wherein the information including the second certificate is transmitted to the end entity along with a response to the transaction request.

a 6. (original): The computer-readable medium of claim 4, wherein the information including the second certificate is transmitted to the end entity along with at least one digital signature.

7. (original): The computer-readable medium of claim 1 having further computer executable instructions comprising, transmitting the first certificate and the second certificate to a remote party along with a second transaction request.

8. (original): The computer-readable medium of claim 7 having further computer executable instructions comprising, receiving a third certificate from the remote party.

9. (original): The computer-readable medium of claim 8, wherein information of the third certificate is communicated with a response to the second transaction.

10. (original): The computer-readable medium of claim 1, wherein a third certificate is received with the transaction request and the first certificate, the third certificate comprising a record of a response to a status request of the first certificate at a particular time.

a 11. (original): The computer-readable medium of claim 10 having further computer executable instructions comprising, transmitting the first certificate, the second certificate, and the third certificate to a remote party along with another transaction request.

12. (original): The computer-readable medium of claim 11 having further computer executable instructions comprising, receiving information including a fourth certificate from the remote party indicating the current status of at least one of the first, second, and third certificates.

13. (original): The computer-readable medium of claim 11, wherein the fourth certificate is communicated with a response to the other transaction.

14. (currently amended): A computer-readable medium having computer-executable instructions, comprising:

receiving a query from a relying party for current status information on a first certificate, the first certificate having a representation of an issuer name and a subject name; and

issuing a data structure including a second certificate indicating the current status of the first certificate, the second certificate having a representation of the issuer name and the subject name.

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15. (original): The computer-readable medium of claim 14, having further computer executable instructions comprising transmitting the data structure to the relying party.

16. (original): The computer-readable medium of claim 14, wherein the data structure comprises an extension designating the second certificate as being an indication of the current status of the first certificate.

17. (original): The computer-readable medium of claim 14, wherein the data structure further comprises policy information.

18. (original): The computer-readable medium of claim 17, wherein the data structure further includes information regarding evidence submitted to satisfy a policy of the relying party.

19. (original): The computer-readable medium of claim 14, wherein the data structure comprises policy-related information that qualifies the second certificate.

20. (original): The computer-readable medium of claim 14, wherein the data structure further comprises success or failure information regarding the second certificate.

al 21. (original): The computer-readable medium of claim 14, wherein the data structure comprises information regarding a validity period of the second certificate.

22. (original): The computer-readable medium of claim 21, wherein the first certificate has a validity period associated therewith, and wherein the information regarding the validity period of the second certificate specifies a validity period for the second certificate that is shorter than the validity period for the first certificate.

23. (currently amended): A method for performing electronic commerce, comprising,  
receiving, at a certificate authority, a first request for a certificate;

verifying whether the certificate should be issued, and if so, issuing the certificate;

receiving a second request at a status authority for status information about the certificate; and

issuing a reissue certificate including the status information in response to the receiving the second request at the status authority for status information about the certificate.

24. (original): The method of claim 23 wherein the certificate authority comprises the status authority.

25. (original): The method of claim 23 wherein the status authority is a designated agent of the certificate authority.

26. (original): The method of claim 23 wherein the first request is provided by an end entity.

27. (original): The method of claim 23 wherein the second request is provided by a relying party.

28. (original): The method of claim 23 wherein the first request is provided by an end entity that provides the certificate to a relying party, and wherein the second request is provided by the relying party.

29. (currently amended): A method for performing electronic commerce, comprising:

receiving a certificate at an end entity;

providing the certificate to a relying party; and

receiving a receipt at the end entity from the relying party, the receipt including a reissue ~~status information about the~~ certificate.

30. (original): The method of claim 29 further comprising, requesting the certificate from a certificate authority.

31. (currently amended): The method of claim 29 wherein the reissue certificate ~~status information~~ is provided by a status authority.

32. (currently amended): The method of claim 29 further comprising, requesting a certificate from a certificate authority, and wherein the status information is provided by the certificate authority.

33. (original): The method of claim 29 wherein the receipt includes evidence.

34. (original): The method of claim 33 wherein the evidence comprises policy information.

a! 35. (original): A method for performing electronic commerce, comprising,  
receiving a certificate with a request to perform a transaction;  
communicating with a status authority to request status information about the certificate;  
receiving a reissue certificate including the status information in response to the request; and  
deciding whether to perform the transaction based on the status information.

36. (original): The method of claim 35 wherein the certificate is issued by a certificate authority.

37. (original): The method of claim 35 wherein the certificate authority further comprises the status authority such that the certificate and reissue certificate are issued by the certificate authority.



38. (original): The method of claim 35 wherein the request to perform a transaction is received from an end entity, and further comprising returning a response to the end entity.

39. (original): The method of claim 35 wherein the response includes a receipt.

40. (original): The method of claim 35 wherein the receipt includes data associated with the status information.

41. (original): The method of claim 35 wherein the certificate is issued by a certificate authority, and wherein the request to perform a transaction is received from an end entity, and further comprising returning a response to the end entity.

42. (currently amended): A method for performing electronic commerce, comprising:

requesting at an end entity a certificate from a certificate authority;

the end entity providing the certificate with a request for performance of a transaction; and

receiving information at the end entity indicating whether the transaction was performed, the information provided by a status authority and including the status of the certificate.

43. (original): The method of claim 42 wherein the certificate authority comprises the status authority.

44. (original): The method of claim 42 wherein the information received at the end entity includes a receipt.

45. (original): A method for performing electronic commerce, comprising:

requesting at an end entity a certificate from a certificate authority;

providing a request for performance of a transaction to a relying party, the request including the certificate;

receiving the request at the relying party, and communicating with a status authority to determine the status of the certificate;

receiving a reissue certificate from the status authority, the reissue certificate indicating the status of the certificate; and

communicating information from the relying party to the end entity, the information indicating whether the transaction was performed and including the status of the certificate.

46. (original): A method for performing electronic commerce, comprising:

receiving, at a second party, a request from a first party to accept a transaction and a first certificate referencing the transaction;

accepting the transaction at the second party and issuing a receipt to the first party, the receipt including a second certificate as proof of acceptance of the transaction;

sending, from the second party to a third party, the transaction, the first certificate and the second certificate to offer the transaction for sale; and


receiving a receipt at the second party from the third party including a third certificate as proof that the third party purchased the transaction.

47. (original): The method of claim 46 wherein the third party sends the transaction, the first certificate, the second certificate and the third certificate to a fourth party to attempt to resell the transaction.

48. (currently amended): The method of claim 46 wherein the fourth party purchases the transaction and issues a receipt including a fourth certificate to the third party, in response to receiving the transaction, the first certificate, the second certificate and the third certificate from the third party.

4948. (currently amended): The method of claim 46 wherein the first certificate comprises evidence, and wherein the second party evaluates the evidence from the first party.

5049. (currently amended): The method of claim 4948 wherein the evidence includes at least one policy decision made by the first party.

 5150. (currently amended): The method of claim 46 wherein the first and second certificates comprise evidence, and wherein the third party evaluates the evidence from the first party and the second party.

5251. (currently amended): The method of claim 5150 wherein the evidence includes at least one policy decision made by at least one of the first or second parties.

5352. (currently amended): The method of claim 46 wherein the first, second and third certificates comprise evidence, and wherein the fourth party evaluates the evidence from the first party, the second party and the third party.

5453. (currently amended): The method of claim 5350 wherein the evidence includes at least one policy decision made by at least one of the first, second or third parties.

5554. (currently amended): The method of claim 46 wherein each party evaluates each certificate provided thereto prior to issuing its respective receipt.

5655. (currently amended): A computer-readable medium having stored thereon a data structure, comprising:

a first field referencing a request for performing an electronic transaction;  
and


a second field comprising a list of evidence accumulated from at least one recipient of the request.

5756. (currently amended): The computer-readable medium having stored thereon the data structure of claim 5655, wherein the first field comprises a response subject field.

5857. (currently amended): The computer-readable medium having stored thereon the data structure of claim 5655 further comprising, a third field having response status information therein.

5958. (currently amended): The computer-readable medium having stored thereon the data structure of claim 5655 further comprising, a third field having response status information therein.

6059. (currently amended): The computer-readable medium having stored thereon the data structure of claim 5655 further comprising, a third field having a validity period identified therein.

 6160. (currently amended): The computer-readable medium having stored thereon the data structure of claim 5655 further comprising, a third field having certificate policy information therein.


6264. (currently amended): The computer-readable medium having stored thereon the data structure of claim 5655 further comprising, a third field having certificate policy information therein.

6362. (currently amended): A computer-readable medium having stored thereon a data structure, comprising,

a first data field representing the current status of a first certificate; and  
a second data field designating the present data structure as including status information regarding the first certificate.

6463. (currently amended): The computer-readable medium of claim 6362, wherein the data structure further comprises a third data field providing an evidence list.

6564. (currently amended): The computer-readable medium of claim 6362, wherein the data structure further comprises information regarding evidence submitted to satisfy a policy of the remote recipient.

 6665. (currently amended): The computer-readable medium of claim 6362, wherein the data structure comprises policy-related information.

6766. (currently amended): The computer-readable medium of claim 6362, wherein the current status field indicates success or failure information.

6867. (currently amended): The computer-readable medium of claim 6362, wherein the data structure comprises information regarding a validity period.

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